

EQUAL TO THE EMERGENCY

American Genius Quickly Produced Precision Blocks Accurate to Millionth Part of Inch.

One of America's little-known war romances is revealed by John H. Van Deventer in his story of precision gauges, which appears in Everybody's. Virtually all of our munitions had to be made to limit gauges which had to be corrected by means of precision blocks to within a few millionths of an inch. "Twenty years ago," writes Mr. Van Deventer, "a Swedish tool-maker named Johansson made up his mind that the millionth of an inch was the coming thing—hunted during nine years for a practical way to get it and got it. How? Nobody knows except Johansson, and he won't tell. For over nine years he kept everybody guessing. Our best shops imported his blocks and used them for checking the gauges.

"Then came the war, with its wonderful stimulation of American genius. With it came also the need of being independent of the old world in the matter of gauges.

"The war took E. C. Peck away from his job of running a great factory in Cleveland and brought him to Washington to take charge of the gauging of ordnance products. It brought William E. Hoke of St. Louis to the bureau of standards, with an idea of how to produce precision blocks. Colonel Peck and Major Hoke got together, and in six months were turning out precision blocks accurate to the millionth part of an inch."

IS LARGEST OF INDUSTRIES

Statisticians Figure in Billions When They Make Computations of Live Stock Business.

The live stock industry is the largest and, in more than one sense, the most important industry in the United States. Its extent, measured by the value of live animals, amounts to more than \$8,000,000,000. Its importance rests in the necessity for live stock to consume the products of farms and ranges, 80 per cent of which, according to census reports, is fed to live stock; in the maintenance of soil fertility, which cannot be kept up continuously and economically without a considerable number of animals as a part of the farm system; in the indispensable place which animal food occupies in the American diet, of which it makes up 38 per cent, based on the average consumer's food-expenditure account; and finally, in the far-reaching influence which the growing, fattening and marketing of live stock has upon the social and economic welfare of all classes of people, including producers, distributors, and the meat-consuming public.

The slaughtering and meat packing business is the largest manufacturing industry in the United States, according to the United States census of manufacturers. The sales of live stock in the Chicago market alone totaled nearly \$1,000,000,000 in 1918, or over \$3,000,000 a day, and the daily sales at all of the centralized live stock markets of this country total close to \$20,000,000.

England Harbors Ex-Queens.

England will soon be the land of five queens, a potential and powerful group either in politics or poker. The figure resembles a misdeal, but it is explained by the fact that England has a queen and a queen mother, while there are in England the one-time queens of two other countries. They are soon to be joined by another, Empress Marie of Russia. She and the two other foreign ladies are deep in unhappiness—three of the saddest queens, as an observer has remarked, in modern history. The two whom Empress Marie will join are Empress Eugenie and the queen mother of Portugal.

These three women plainly tell the story of greatness. One of them was driven from her throne and her son was killed fighting for another country; another was exiled after having been robbed of her husband and son, and her other son driven from the throne; the last was widowed and her son, her grandson and her granddaughters brutally murdered.

Breeding Makes No Difference.

It has been claimed by lovers of domestic cats that highly bred members of the species do not engage in hunting insectivorous and song birds. A few days ago a city gardener captured a handsome cat in the act of killing a young robin which had just left its nest near his house. He did not kill the bird hunter, under the authority recently granted by the Conservation Commission, but took the animal and its victim to the home of the cat's owner. There he learned that the cat was a highly prized ribbon-taker; and the owner was indignant at its capture.—Rochester Democrat and Chronicle.

Get Revenue From Pests.

Rabbit skins from Australia and New Zealand were among the largest offerings in the recent international fur auction at St. Louis. Half a million pounds of Australian rabbit and 50,000 pounds of New Zealand were sold for a total of \$335,000. The largest lots went to batters and felt manufacturers.

Nothing Doing.

Fisherman—Is this public water? Native—Yes. Fisherman—Then it won't be a crime if I land a fish? Native—No; it'll be a miracle!

MOST FRAGRANT OF FLOWERS

Baltimore Admirer Declares the Breath of the Lilac Stands Unmatched for Sweetness.

When the lilacs breathe, odors of Araby become fetid and astringent in comparison. When the lilacs breathe, their odorous breath carries the fragrance of the distillation of a generation of life and love that they have gathered to themselves, where they have bloomed by the garden wall or against the porch pillar. The old home—wonderful in the vividness of its memories and associations—is created by the picturing of beauty and tenderness that the fragrance of the blossoming lilacs brings to the mind. One sees the path through the garden winding down to the clump of lilacs. The faces of other days are framed in the pictures that fancy creates through the magic of the lilacs.

The panicles of bloom are in full flower and the blooms will be hailed with joy by the multitudes who have in their feelings the sentiments to which lilacs appeal. They are a meditative and reflective kind of flower. They come so quietly in the spring. They bloom forth so abundantly and magnificently. They sing their concert to the airs of April and cause the four winds of the heavens to become their survivors to the joy of mankind.

The lilacs are the softest and most persuasive of all tints, those of lavender and purple, with some of driven whiteness. How wonderful their beauty, the assembling of the blossoms and their disposition upon the branch! How full of art! How exquisitely Dresden is the lilac as it swings in the breeze! And every lilac bush is a product of years of growth, and that growth goes on perennially until one and another generation is laid beneath the sod, and the lilac has been entrusted with the cherished memories of youth and maturity and age—passed out of life.—Baltimore American.

INTRODUCES DRUG IN LUNGS

French Physician's Method of Administering Chloroform Said to Be Pronounced Success.

A new method of administering chloroform, brought out in France by Dr. Guisez, is described in the Scientific American. The doctor no longer applies the drug by the usual compress or mask placed over the mouth, but introduces the chloroform vapor directly into the lungs through a tube running into the windpipe. The tube method has already been employed in several hundred cases, and with great success. Besides being very useful for operations to be performed on the head and neck, it is of great interest because it never produces nausea.

The effects of the new method will serve to explain the reasons why chloroform operations always produced nausea when operating by the former method, for it appears evident that the nausea was caused by a part of the chloroform vapors being absorbed by the oesophagus and the stomach.

Average Intelligence.

There have been a number of reports about the results of the psychologic tests in the army which are not particularly encouraging. Of course it is all very well to find that more than half of those taken in the draft were of an average or of a higher intelligence and that four out of every 100 were of a "very superior" intelligence and eight to ten out of every 100 of "superior" intelligence. This will probably average up higher than what would be secured in any European country, but the fly in the ointment is the high relative percentage of those who are "below average" intelligence, or of an "inferior" intelligence or are "very inferior," with several grades and degrees even below the "very inferior."

Nelson's Victory Cups.

Recognition of the English "silent navy" which did so much to win the war has come in the presentation of two communion cups to the Royal Naval Barracks church of Portsmouth, England. These cups were used on Nelson's flagship Victory in the battle of Trafalgar. Thus the glory that was England's in the earlier days joins hands with the glory of the present, and the spirit of Nelson is linked with the spirits of the brave men who stood by in all the long months of the North sea vigil. Nine years ago these cups were given to a church in Glasgow. The widow of the rector of this parish now gives them to the navy as the most fitting holder of the goblets, which were made about 1800.

Misunderstanding.

"The Germans are always being misunderstood, and this misunderstanding is always to the poor fellows' disadvantage."

The speaker was Adolph Junck, the millionaire dye importer of Duluth. "I know a German motorist," he went on, "who arrived one June evening at a crowded country road house. When the clerk told him the house was full, he said desperately:

"Can't you at least give me a bundle of hay somewhere?" "There ain't a thing left, mister," said the clerk, "but a bit of cold mutton stew."

New Substitute for Oil.

A factory has been started in Sweden for extracting oil from schist, thus adding one more to the number of substitutes already on the market. Large quantities of alum schist are found in the district, yielding benzine and crude oils.

GOAT MEAT GOOD AS MUTTON

It Is Said Only Experts Are Able to Tell the Difference Between the Two.

There is a growing disposition to give the goat his due. Heretofore this rubbish-eating animal has been regarded pretty much as a joke, but he has continued to eat tin cans and thrive until now his race has acquired census-listing proportions and a market has been established in a middle-western city where surplus goats will be converted into "spring lamb" for the benefit of our non-vegetarians. As an addition to the poor man's meat perhaps the goat will be welcome, especially if his advent tends to lower the present high prices.

Goat meat tastes much the same as mutton, it is claimed, and that the difference cannot be told save by an expert. Perhaps that is just as well. Our imagination has much to do with our taste. Many people are eating horse meat in this country under the impression that it is beef, for horses are slaughtered, but almost nowhere is their meat exposed for sale under its true name. No doubt the easiest way for us to get used to goat meat is to camouflage it as mutton. It is another case of ignorance being bliss.

But, as we are assured by the experts that it is wholesome, a name will not make much difference in the end. Mutton, the world over, has been the poor man's meat. If goat meat can add to the supply, so much the better. The meat of goats was a favorite in the days of the patriarchs. It is still highly prized in the East. There seems to be no reason why it should not ultimately hold a respectable place on our menus.

SHE UTTERED NO CRITICISM

But Many Will See Deep Significance in That Kiss Bestowed by Minister's Wife.

Now, everyone knows that the minister's wife must not say harsh things about anyone. No matter how she thinks. Also that though she be forced to listen to criticism she herself must not give any. The other evening an Indianapolis parsonage woman was sitting on her front porch, when one of the young girls of her husband's congregation came to call. Hardly had she settled herself comfortably before the young miss began to condemn vigorously a very parsimonious member of the church.

"He wouldn't give a cent to recarpeting the parsonage," stormed the visitor, "yet he had plenty of money to buy himself a new seven-passenger touring car. I just hope that every time he starts out in it he'll have a puncture."

The minister's wife had only that morning spent three hard hours mending the old carpet. She didn't say a word of reproof—merely looked at the young girl a minute and then went across the veranda and kissed her cheek.—Indianapolis News.

Ticklish Bit of Tunneling.

A very interesting bit of tunneling was recently done on the Fourteenth street tube under the East river, New York. The heading was being run in rock and at one point test holes showed a thickness of only eight inches of sound dry rock above the line along which the top of the tunnel was to run. As the tunnel was being driven without the use of compressed air it was decided to drop the upper heading four feet until this thin cover of rock was passed. The cast iron lining was set in place at each side of this section and then the rock was removed very carefully by using a great many holes each loaded with about one-eighth of a stick of dynamite. As each bit of rock was removed the arch of the tunnel lining was set in place. By this means the dangerous section was tunneled without breaking through the thin shell.—Scientific American.

His Desire.

Last autumn Roland was much in love with his new teacher, and tried to prove his affection by doing many errands for her. One of them was the hauling of the fertilizer from his father's barn to her flower garden.

This spring Roland became interested in a victory garden and started one. One day he journeyed to the home of his last term teacher, told her of his garden and then ended the conversation with, "Do you remember that fertilizer I gave you last fall? Well, I'd like to have it back now for my own garden."

Ingenious Automobile Thief.

An automobile owner at Hallowell, leaving his car, hitched it to a tree by winding a chain around one of the wheels of the machine and fastening the end of the chain around a tree. An automobile thief jacked up the car, loosened the wheel which was chained to the tree, took it off, and then removing the extra wheel from the rear of the car put it on in the place of the wheel which had been dropped off and drove away, leaving the single wheel chained to the tree.

Big Game Hunters Protest.

A proposal that Canada increase its meat supply by using airplanes to drive the great herds of caribou from the barrens of the northern provinces into corrals on the shore of Hudson bay for slaughter has called forth loud protests from the big game hunters of Africa. They foresee an extension of the practice to the wholesale slaughter of elephants, lions, zebras, giraffes, and various kinds of deer which abound in the no-longer dark continent.—Oregonian.

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